

Technical Parameters

Dimension(W*D*H)	400mm*590mm*870mm	Weight	85Kg
Chamber Size	φ110*90mm	Application Scope	High Precision Type B Thermocouple
Number of Trays	2	Sintering Tray Size	φ105mm*40mm
Heating Element Type	Upgraded Silicon Molybdenum	Number of Heating Element	4
Power Supply	220V/50Hz	Rated Power	3KW
Maximum Withstand Temperature	1700°	Working Temperature	≤1600°C
Control Method	7"True Color Touch Screen Operation	Maximum Number of Program Setting	100
Application Scope	Zirconia Sintering	Heating Type	Standard/Fast Sintering

About Besmile

Besmile is a global digital solutions provider for restorative and implant dentistry.

We offer integrated systems—premium CAD/CAM materials, advanced equipment, and precision implant systems—designed to streamline workflows and ensure reliable results.

All core products are developed and manufactured in-house, ensuring consistent quality and continuous innovation.

Trusted by over 1,000 partners in more than 100 countries, we empower dental professionals to create confident, lasting smiles.

Technology creates the best smile.



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Zirconia Sintering Furnace

BSM-FM30



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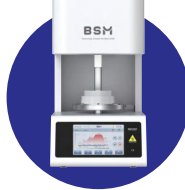
Zirconia fast sintering furnace with high-capacity chamber and tray for diverse zirconia sintering needs.

Large Capacity

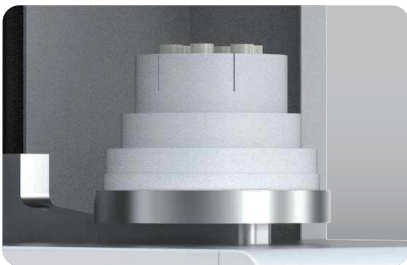
Remote Control

Fast Sintering

CAD/CAM Digital Processing



Key Features



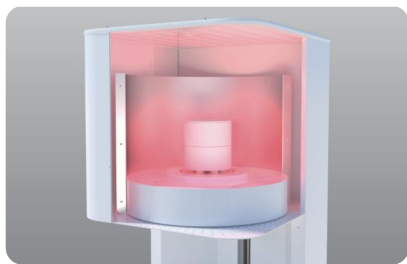
80-Unit Large Capacity

- The dual-layer crucible design allows simultaneous sintering of multiple restorations, accommodating ≥80 zirconia units per cycle to maximize production efficiency.



IoT Cloud Platform-Computer /Mobile Devices Supported

- Supports remote monitoring and operation via computer or mobile devices, enabling online and remote management.



Fast Sintering

- Circular-shaped heating design ensures rapid heating while avoiding thermal stress and cracking.

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Pollution-Free

- Equipped with high-purity silicon molybdenum heating elements and reinforced chamber design, guaranteeing an environmentally friendly sintering process.

Precise Temperature Control

- The furnace features a circumferential heating element arrangement, securing superior thermal uniformity during high-temperature operations, paired with PID intelligent temperature control.

User-Friendly Operation

- True color touchscreen enables intuitive, one-click operation for a seamless and efficient experience.
- With storage for up to 100 sintering programs, easily meets diverse dental sintering requirements.

Attachments



Sintering tray



Upgraded silicon molybdenum



High-purity zirconia beads